

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A lamp monitoring and control unit, comprising:
a processing and sensing unit to acquire and output monitoring data of ~~said a~~ lamp assembly, and to control power to said lamp assembly;
a transmit unit to transmit said monitoring data output by the processing and sensing unit; and
a receive unit to receive remote control information.
2. (New) The lamp monitoring and control unit of claim 1, wherein said remote control information is from at least one remote source.
3. (New) The lamp monitoring and control unit of claim 2, wherein said remote source is a centralized control system.
4. (New) The lamp monitoring and control unit of claim 1, wherein said processing and sensing unit is configured to process said remote control information.

5. (New) The lamp monitoring and control unit of claim 1, wherein said processing and sensing unit is configured to process local control information.

6. (New) The lamp monitoring and control unit of claim 1, wherein said processing and sensing unit is configured to process said remote control information and local control information.

7. (New) The lamp monitoring and control unit of claim 6, wherein said local control information is from at least one local source.

8. (New) The lamp monitoring and control unit of claim 7, wherein said at least one local source is a light sensor.

9. (New) The lamp monitoring and control unit of claim 7, wherein said at least one local source is a timer.

10. (New) The lamp monitoring and control unit of claim 7, wherein said at least one local source is integrally formed with said lamp monitoring and control unit.

11. (New) The lamp monitoring and control unit of claim 6, wherein said local control information comprises said monitoring data.
12. (New) The lamp monitoring and control unit of claim 6, wherein said local control information comprises daylight and night times.
13. (New) The lamp monitoring and control unit of claim 1, wherein said processing and sensing unit comprises a microprocessor.
14. (New) The lamp monitoring and control unit of claim 1, wherein said lamp assembly comprises a plurality of lamps.
15. (New) The lamp monitoring and control unit of claim 1, wherein said processing and sensing unit is configured to turn said lamp assembly on and off.
16. (New) A method for communicating operating information related to a plurality of distributed devices, comprising:
 - sensing at least one electrical parameter of an associated distributed device;
 - processing said at least one electrical parameter to produce monitoring data and internal control information;

wirelessly transmitting said monitoring data;
receiving centralized control information based on said monitoring data; and
applying at least one from said internal control information and said centralized control information to said associated distributed device.

17. (New) The method of claim 16, further comprising receiving decentralized information from at least one local source, and applying at least one from said internal control information, said centralized control information, and said decentralized information to said associated distributed device.

18. (New) The method of claim 17, wherein said at least one local source is a photosensor.

19. (New) The method of claim 17, wherein said at least one local source is a manual switch.

20. (New) The method of claim 16, wherein said internal control information comprises a sunrise and sunset schedule.

21. (New) The method of claim 16, wherein said internal control information comprises said monitoring data.

22. The method of claim 16, wherein said centralized control information is from a centralized control station.

23. (New) The method of claim 17, wherein applying at least one from said internal control information, said decentralized control information, and said centralized control information comprises alternately energizing and de-energizing said associated distributed device.

24. (New) A system for monitoring and control of a plurality of distributed devices, comprising:

a monitoring and control unit adapted to be electrically coupled to an associated distributed device, including:

a sensor to sense at least one operating parameter of said associated distributed device;

a processor to process said at least one parameter to produce monitoring data and local control information; and

a transmitter to wirelessly transmit monitoring data output from said processor; and

a centralized control station to receive said transmitted monitoring data.

25. (New) The system of claim 24, further comprising a plurality of said monitoring and control units.

26. (New) The system of claim 24, wherein said monitoring and control unit further comprises a receiver.

27. (New) The system of claim 25, wherein said centralized control station produces remote control information based upon said monitoring data, and wherein said remote control information is transmitted to said monitoring and control unit.

28. (New) The system of claim 25, wherein said receiver receives said remote control information and outputs said remote control information to said processor, and wherein said processor applies said remote control information to said associated distributed device.